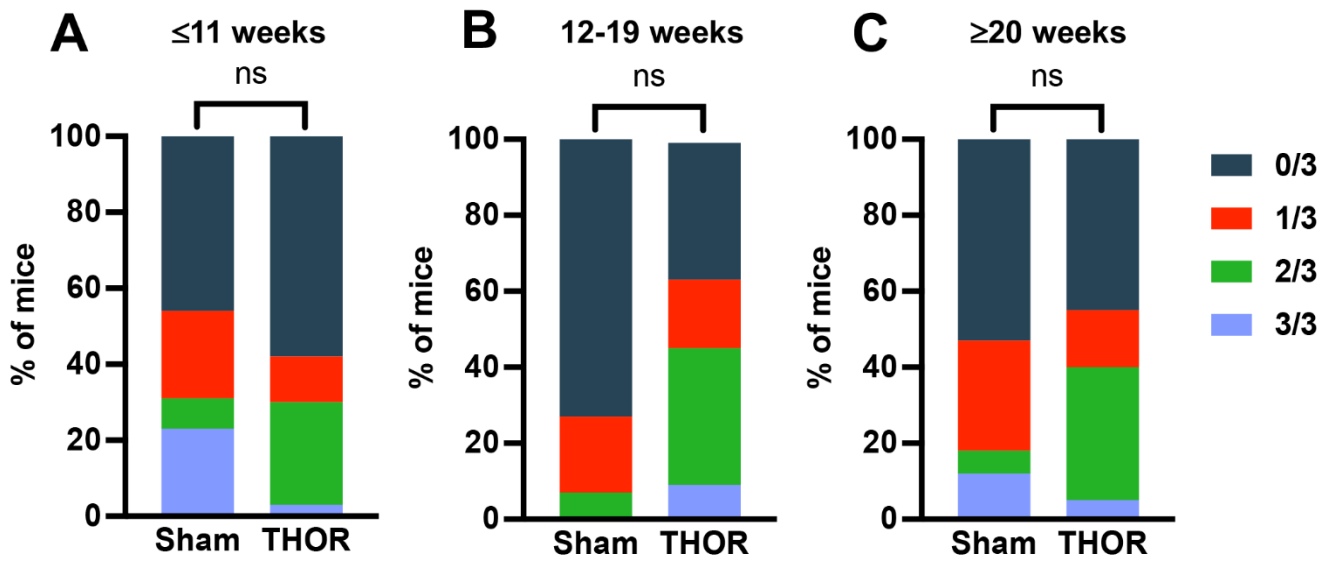
Supplemental Material

In-depth characterization of a mouse model of postoperative atrial fibrillation

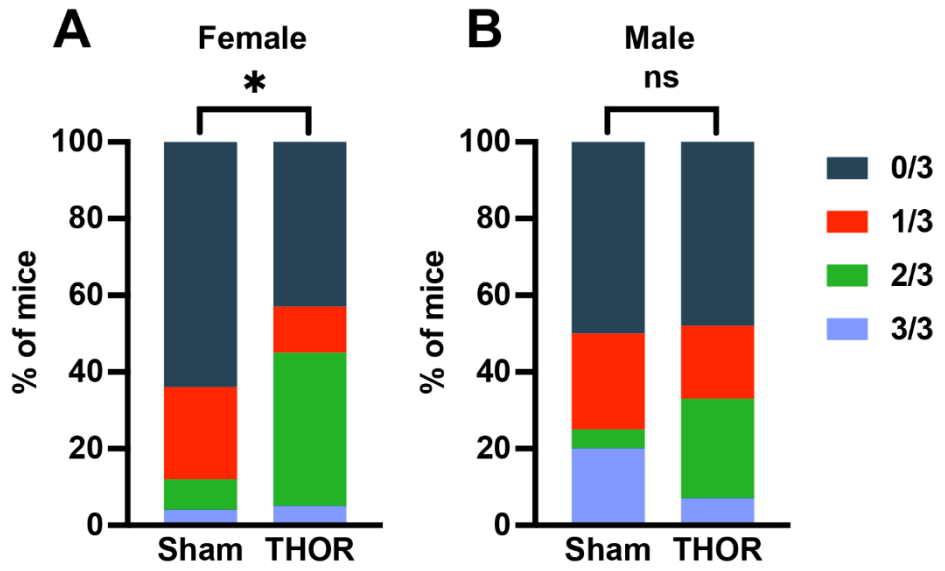
Joshua A. Keefe, Jose Alberto Navarro Garcia, Li Ni, Svetlana Reilly, Dobromir Dobrev, Xander H.T. Wehrens

Table S1. Primers used for qPCR experiments.

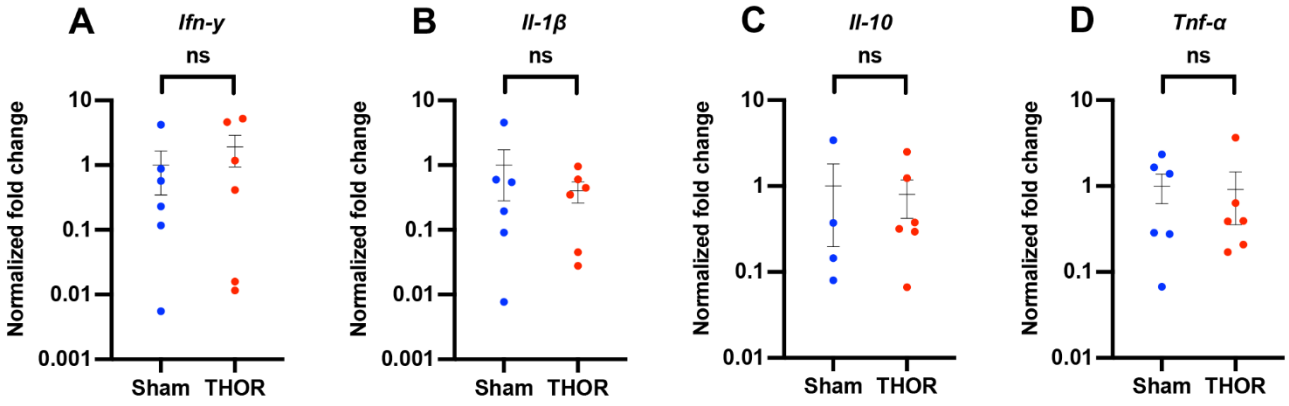
Gene	Forward primer (5'→3')	Reverse primer (5'→3')
IL-6	TGTGCAATGGCAATTCTGAT	GGTACTCCAGAAGACCAGAGGA
IL-1	TGCAGTGGTTCGAGGCCTAAT	GTGACCACTCTCCAGTACCCAC
IL-18	GTGAACCCCAGACCAGACTG	CCTGGAACACGTTTCTGAAAGA
IL-10	AGCCTTATCGGAAATGATCCAGT	GGCCTTGTAGACACCTTGGT
IFN-γ	TCTTCAGCAACAGCAAGGCG	GCGACTCCTTTTCCGCTTCC
TNF-α	CAGGCGGTGCCTATGTCTCA	GGCTACAGGCTTGTCACTCG
TGF-β	TGTTAAAACTGGCATCTGA	GTCTCTTAGGAAGTAGGT



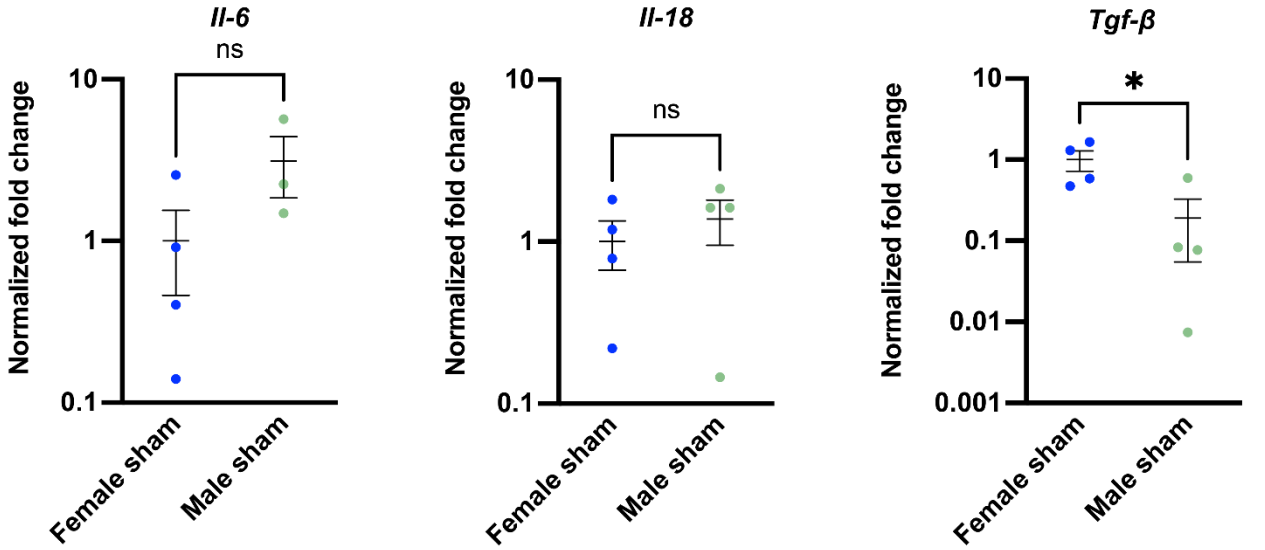
Supplementary Figure 1. Number of AF events (out of three) by age in the youngest (A), (B) middle, and (C) oldest tertiles. A positive AF event was defined as the presence of irregular R-R intervals without discernable P waves after the A-burst protocol (see methods). *$P < 0.05$. $P \geq 0.05$ denoted as "ns"



Supplementary Figure 2. Number of AF events (out of three) female (**A**) and male (**B**) mice. A positive AF event was defined as the presence of irregular R-R intervals without discernable P waves after the A-burst protocol. *$P < 0.05$. $P \geq 0.05$ denoted as "ns"



Supplementary Figure 3. qPCR amplification of *IFN-γ*, *IL-1β*, *IL-10*, and *TNF-α* mRNA expression levels in atrial tissue. Normalized fold changes of gene expression (relative to *GAPDH*) in *IFN-γ* (**A**), *IL-1β* (**B**), *IL-10* (**C**), and *TNF-α* (**D**) calculated using the delta-delta Ct method. $P \geq 0.05$ denoted as "ns"



Supplementary Figure 4. qPCR amplification of *IL-6*, *IL-18*, and *TGF-β1* in POAF-negative female and male sham mice. Normalized fold changes of gene expression (relative to *GAPDH*) in *IL-6* (**A**), *IL-18* (**B**), and *TGF-β1* (**C**) calculated using the delta-delta Ct method. $P \geq 0.05$ denoted as "ns"